

DaimlerChrysler AG

Claims

1. Device for determining the seat weight on a vehicle seat assembly, provided with at least one seat rail on which the seat is mounted, and with a weight sensor that interacts with the seat rail, the at least one seat rail being fastened to the vehicle in a fixed manner via the weight sensor and at least one additional fastening device,  
characterized in that  
the at least one additional fastening device is an elastomer structure (5), mounted in a fixed manner to the vehicle, in which at least one seat rail (2) is embedded.
2. Device according to Claim 1,  
characterized in that  
the elastomer structure (5) is situated in the rear end region, relative to the direction of travel, of the at least one seat rail (2).
3. Device according to Claim 2,  
characterized in that  
the elastomer structure (5) has a fixed end at least in the region of the at least one seat rail (2), on the back side and top side thereof.
4. Device according to one of Claims 1 through 3,  
characterized in that

the elastomer structure (5) is situated in a housing (6) which has an opening in the direction of travel.

5. Device according to Claim 4,  
characterized in that  
the housing (6) is attached to the vehicle in a fixed manner.
6. Device according to one of Claims 1 through 5,  
characterized in that  
the weight sensor is mounted on a weight receiver (4) which is attached to the vehicle in a fixed manner.
7. Device according to Claim 6,  
characterized in that  
the weight receiver (4) and the housing (6) which accommodates the elastomer structure (5) are mounted on opposite sides of a crossmember (7) running transverse to the direction of travel.
8. Device according to Claim 7,  
characterized in that  
the weight sensor is at least one bending element (9) situated between a two-part weight receiver (4a, 4b).